ZABRAMNYY, D.T.

Express method for determining bitumens introduced into coal
during briquetting. Uzb.khim.zhur. no.1:93-94 '61.

(MIRA 14:1)

1. Institut khimii AN UzSSR.
     (Bitumen)   (Briquets (Fuel))

ALIYEV, Ya.Yu.; ZABRAMNYY, D.T., doktor tekhn. nauk, otv. red.;
EYDEL'MAN, A.S., red.

[Carbonylation of organic compounds] Karbonilirovanie or-
ganicheskikh soedinenii. Tashkent, Nauka, 1964. 203 p.
(MIRA 17:11)

ZABRAMNYY, D.T.

Chemical concepts of the processes of formation of petrographic
components of coals. Uzb.khim.zhur. 9 no.1:43-46 '65.

(MIRA 18:6)

1. Institut khimii AN Uzbekskoy SSR.

ZABRAMNYY, D.T.

Comparative characteristics of the chemical properties of
brown coal fusain with properies of lean coils. Uzb.
khim. zhur. 7 no.2:39-46 '63.   (MIRA 16:8)

1. Institut khimii AN UzSSR.
            (Fusain)   (Coal)

MARKMAN, A.L.; ZABRAMNYY, D.T., doktor tekhn. nauk, otv. red.;
   BAKLITSKAYA, A.V., red.; KARABAYEVA, Kh.U., tekhn. red.

   [Chemistry of lipids] Khimiia lipidov. Tashkent, Izd-vo
   AN Uzb.SSR. No.1.[Fatty acids] Zhirnye kisloty. 1963. 174 p.
                                              (MIRA 16:8)
                (Acids, Fatty)

ZABRAMNYY, D.T. (Tashkent); NASRITDINOV, S. (Tashkent)

Chemical and petrographic characteristics of hydrogenation
products of carbonized microcomponents. Izv.AN SSSR.Otd.tekh.
nauk.Met.i topl. no.5:144-149 S-O '61.   (MIRA 14:10)
                         (Hydrogenation)

SOFIYEV, I.S.; ZABRAMNYY, D.T.

Pile storage of coal under the climatic conditions of Central Asia.
Izv. AN Uz. SSR Ser. khim. nauk no.1:77-84 '57.   (MIRA 13:10)
            (Asia, Central—Coal—Storage)

ZABRAMNYY, D.T.; NASRITDINOV, S.N.

Chemical nature of "chipped" fusain from Angren coal. Uzb.
khim.zhur. no.5:67-72 '59.   (MIRA 13:2)

1. Institut khimii AN UzSSR.
        (Angren--Fusain)

SOFIYEV, I.S.; SEMASHEVA, I.N.; ZABRAMNYY, D.T.

Accumulation of germanium in component of brown coal. Dokl.
AN Uz.SSR   no.8:34-36 '59.   (MIRA 12:11)

1. Institut khimii AN UzSSR. Predstavleno akademikom AN UzSSR
S.Yu.Yunusovym.
        (Germanium) (Coal)

ZABRAMNYY, D. T., Doc Chem Sci -- (diss) "Problem of the genetic
classification of Central Asian coal and basic factors of the
formation of clinkering humus coal." Tashkent, 1957. 24 pp
with schematic drawings. (Acad Sci Uzbok SSR, Inst of Chemistry),
160 copies. (KL, 9-58, 113)

- 13 -

ZABRAMNYY, D.T.; RYABOVA, N.D.

Work of the chemical session. Uzb.khim.zhur. no.1:95-97   '59.
(MIRA 12:6)

(Uzbekistan--Chemistry)

ZABRAMNYY, D. T.

О ПРОТИВОРЕЧИЯХ В ТЕРМОВАНИИ УСЛОВИЯ
ОБРАЗОВАНИЯ БУРЫХ И КАМЕННЫХ УГЛЕЙ

Д. Т. Забрамный

VIII Mendeleyev Congress for General and Applied Chemistry in
Section of Chemistry and Chemical Technology of Fuels,
publ. by Acad. Sci. USSR, Moscow 1959

abstracts of reports scheduled to be presented at above mentioned congress.
Moscow, 13 March 1959.

SOFIYEV, I.S.; ZABRAMNYY, D.T.; SEMASHEVA, I.H.

Distinctive characteristics of brown coals of Central Asia.
Uzb.khim.zhur. no.4:61-63 '59.   (MIRA 13:1)

1. Institut khimii AN UzSSR.
            (Soviet Central Asia--Lignite)

SEREBRYAKOVA, Z.G.; KANTER, D.TS.; ZABRAN, E.S.; ZHERDEVA, L.G.; POTANINA, V.A.

Methods for testing mineral oils used in the manufacture of
acetate and viscose cord fibers. Khim. volok. no.1:62-64 '65.
(MIRA 18:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo
volokna (for Serebryakova, Kanter, Zabran). 2. Vsesoyuznyy
nauchno-issledovatel'skiy institut po pererabotke nefti i gaza
i polucheniyu iskusstvennogo zhidkogo topliva (for Zherdeva,
Potanina).

NEMCHENKO, E.A.; FAYNBERG, E.Z.; SEREBRYAKOVA, Z.G.; ZABRAN, E.S.;
YELCHINA, N.V.

Comparative evaluation of avivage preparations by the data of
the measurement of the modulus of shearing. Khim. volck.
no.4:62-64 '65.   (MIRA 18:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo
volokna.

JANAC, J.; ZABRANSKY, O.

Some applications of the UVP infrared analyzer. Prace Ust
paliv vol. 7:197-211 '64.

POLAND / Chemical Technology. Cellulose and Its   H-33
          Derivatives. Paper

Zabranska, W

Abs Jour: Ref Zhur-Khimiya, No 14, 1959, 51979.

Author : Zabranska, W
Inst   : Not given
Title   : Investigation of Indigenous Sulfate Soap and of
          Tall Oil.

Orig Pub: Przegl. papiern., 1958, 14, No 12, 353-358.

Abstract: Composition of different samples of sulfate soap
          (in %) varies in the following limits: water,
          27.2-37.3; ash, 9.4-11.5; sulfur, 0.14-0.33; un-
          saponified, 3.6-6.0; insoluble in petroleum ether,
          4.0-17.8; sum of the tar and fatty acids, 30.0-
          53.0; fatty acids, 16.0-23.8; tar acids, 19.0-33.0;
          tall oil content (T.O.), 51.6-59.0. Water content
          in TO ranges in the limits (in %) 0.9-14.6; ash,

Card 1/3

POLAND / Chemical Technology. Cellulose and Its   H-33
            Derivatives. Paper.

Abs Jour: Ref Zhur-Khimiya, No 14, 1959, 51979.

Abstract: 0.9-1.6. The acid number of tall oil is 149-168;
            saponification number, 151-176; water soluble
            acids, 0.01-0.06% (corrected for H_2SO_4). Pre-
            sented is the analytical evaluation of the purifi-
            cation process of sulfate soap by salting-out
            method. A possibility of lowering the combined
            sulfur and acid contents insoluble in petroleum
            ether is indicated. Distillation of TO in the
            laboratory and commercial plant conditions was
            conducted and the suitability of a fraction, con-
            taining tar acids, for paper industry (for glue-
            ing) was thus established. Also investigated was
            the corrosive action of TO on copper, aluminum,

Card 2/3
                              H-195

POLAND / Chemical Technology. Cellulose and Its   H-33
         Derivatives.

Abs Jour: Ref Zhur-Khimiya, No 14, 1959, 51979.

Abstract: and acid-resistant steel. Copper was found to be
         the least corrosion-resistant metal. -- A. A. Khov-
         anskaya.

rd 3/3

SERGEYEV,L.I.; ZABRANSKAYA,O.A.

Biological analysis of flower buds of stone fruit varieties.
Fiziol.rast.2 no.2:160-166 Mr-Ap '55.   (MLRA 8:10)

1. Nikitskiy botanicheskiy sad imeni V.M.Molotova, Yalta
                    (Buds)

DRAGAVTSEVA, I.A.; ZABRANSKAYA, O.A.

Biology of the flowering and pollination of a cherry plum.
Agrobiologiia no.5:703-705 S-O '65.   (MIRA 18:9)

1. Nikitskiy botanicheskiy sad, Yalta.

SOV/137-57-11-21385

Translation from: Referativnyy zhurnal. Metallurgiya, 1957, Nr 11, p 105 (USSR)

AUTHOR: Zabranskiy, V.

TITLE: Manufacturing Tools by Die Forging (Proizvodstvo instrumenta
            kovkoy v shtampakh)

PERIODICAL: Chekhosl. tyazhelaya prom-st'. 1957, Nr 1, pp 40-50

ABSTRACT: A description is provided of the experiences of the Škoda Plant in
            Czechoslovakia in the press forging (P) of tools and dies. F is now
            used for cutters, milling cutters, scrapers, taps, mandrels, and
            other types of tools. Conversion from open-die forging to P is proved
            to be economical when the run of parts (PA) $\geq$ 300-500 pieces of
            carbon steel and $\geq$ 100-200 pieces of alloy tool and high-speed steel.
            Cold P, employed to extrude die shapes of more exact dimensions,
            and permitting the production of PA of a quality higher than that
            attainable by machining, is widely employed at this plant. In cold
            P, the unit pressure varied from 180 to 270 kg/mm^2 with various
            grades of steel. Hydraulic presses of 600, 1000, and 5000-t
            capacity are used for cold F of die impressions. A description
Card 1/2   is presented of the flowsheet for making a die for a spider.

SOV/137-57-11-21385

Manufacturing Tools by Die Forging

The metal used for the die contains alloying elements in the following %: C 0.35, Mn 1.6, Si 0.37, Cr 1.74, Mo 0.61, and V 0.14. The metal used in the die-making die is Poldi Maximum steel. The quantities of alloying elements present, in %, are: C 0.81, Mn 0.9, Cr 3.3, Mo 0.6, V 1.15, and W 17.

V.Ya.

Card 2/2

ZABRYANSKIY, Yefim Il'ich

Detonatsionnaya stoykost' i vosplamenyayemost' motornykh topliv [Knock persistence and combustion in motor fuels, by] Ye. I. Zabryanskiy [i] A. P. Zarubin. Moskva, Gostoptekhizdat, 1958.

208 p. illus., diagrs., graphs, tables.

"Literatura": p. 207

ZABRANSKY, O., inz.

The VT-2 hygrometer of gas under pressure. Automatizace 7 no.11:
209-300 N '64.

1. Institute of Fuel Research, Bechovice.

ZABRANSKY, V.

Automatic pressing of squares in screw-tap production. p. 215.

STROJIRENSKA VYROBA. (Ministerstvo tezkeho strojirenstvi, Ministerstvo presneho
strojirenstvi a Ministerstvo automobiloveho prumyslu a zemedelskych stroju) Praha,
Czechoslovakia. Vol. 7, no. 5, May 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, no. 10, Oct. 1959. Uncl.

KORYTA, J.; ZABRANSKY, Z.

Kinetics of electrode processes of complexes in polarography. VII.
Formation of the complex of cadmium ion with the ethylenediamino-
tetraacetic acid as a reaction deactivating the product of rapid
electrode reaction. Coll Cz Chem 25 no.12:3153-3158 D '60.
(EEAI 10:9)

1. Polarographic Institute and Institute of Metallurgy, Czechoslovak
Academy of Science, Prague.

    (Electrodes)   (Ions)   (Polarograph and polarography)
    (Cadmium)   (Ethylenedinitrilotetraacetic acid)

ZABRANSKY Z.

C4(2,8)   PHASE I BOOK EXPLOITATION   CZECH/2433

International Polarographic Congress. 1st, Prague, 1951

Sborník I. Mezinárodního polarografického sjezdu... Díl 3: Miami referáty prednesene na sjezdu. Proceedings...Vol 3: Reviews Read at the Congress. Praha, Prírodovedecke vyd-ví [1952] 774 p. 2,000 copies printed.

Resp. Ed.: Jiří Koryta, Doctor; Chief Ed, of Publishing House: Milan Staindl, Doctor; Tech. Ed.: Oldřich Dunke.

PURPOSE: The book is intended for chemists, chemical engineers, and physicists.

COVERAGE: The book is a collection of reviews and original papers read at the International Polarographic Congress held in Prague in 1951. Uses of polarography in organic and inorganic analysis, biochemistry, medicine, and industrial chemistry are discussed. In the section, Reviews Read at the Congress, Russian and either German or English translations of each review are presented. In the section, Original Papers Read at the Congress, only those translations in Russian, German, and English which have not been published in Volume I are presented. The following scientists participated in the opening of the Congress: Professor Wiktor Kemula, Dean of the Faculty of Science, Warsaw; Doctor Jaromir Dolansky, Minister of Planning; Professor Jaroslav Heyrovsky, Chairman of the Congress; and Professor Jaroslav Pliskko, Chairman of the Center for Scientific Research and Technical Development. References follow each paper.

Prchlik, I. Polarographic Determination of Oxygen in Illuminating Gas   478

Jelinek, T. Use of Polarographic Methods in Control Analysis of the Treatment of Metal Surfaces   485

Zabransky, Z. Determination of Thallium in Biological Material [Russian translation] [German translation]   490 493 495

Dolkodil, A. Polarographic Reduction of Hydrogen Peroxide in the Presence of Catalysts, That is, Complexes of Iron with Catechol, Pyrogallol and Ascorbic Acid   498

Maier, F., B.G. Simek, and G. Schar. Polarographic Analysis of Benzoic Acid and Phthalic Anhydride   504

Capka, O. Polarography of Coumarin   509

Card 7/14

ZABRANSKY, Z.

(2)

Polarographic determination of small quantities of bismuth in copper. Z. Zábranský (Polarograf. Ústav, ČSAV, Prague, Czech.). Chem. Listy 48, 617-18(1954).—Bi is detd. polarographically after the removal of Cu with dithizone (I). Dissolve 5 g. of Cu shavings contg. at least 0.0005% Bi in 50 ml. concd. HNO₃, evap. the soln. with 8 ml. concd. H₂SO₄, cool, dil. with 50 ml. H₂O, after the soln. of 1 ml. 50% citric acid, slowly treat with NH₄OH until the ppt. redissolves. Mix the soln. with 50 ml. 50% KCN, dil. to 200 ml., ext. with six 3-ml. portions of 0.1% soln. of I in CHCl₃, evap. the exts. to dryness, heat with 0.5 ml. concd. H₂SO₄ and 30% H₂O₂ to destroy org. matter, expel the excess H₂O₂, dil. with 5 ml. 2M NaOAc contg. 0.05M complexon III, and polarograph at pH 4 to a half-wave potential of −0.6 v.
M. Hudlický

10-12-54
mk

B

COUNTRY   : CZECHOSLOVAKIA
CATEGORY   : Physical Chemistry. Electrochemistry

ABS. JOUR.   : RZKhim., No. 1   1960,   No.619

AUTHOR   : Zabransky, Z.
INST.   : -
TITLE   : Influence of pH upon the Polarographic Behavior
               of Cadmium Amalgam

ORIG. PUB.   : Chem. listy, 1958, 52, No 11, 2175-2177; Collect.
               Czechosl. Chem. Communs, 1959, 24, No 7, 2426-2428

ABSTRACT   : In solutions with pH < 9; $E_{\frac{1}{2}}$ and the height of
               the anodic wave of the Cd amalgam do not depend
               on the pH. At pH 9-10.5, the diffusion of OH^-
               ions towards the electrode exerts an influence
               upon the electrode process and the wave is de-
               formed. In the case of pH > 11, with increase
               of pH the wave shifts towards the negative
               side; the value of this shift of $E_{\frac{1}{2}}$ depends
               on the solubility product of $Cd(OH)_2$. This

CARD: 1/3
                              B-42

COUNTRY   :
CATEGORY   :

ABS. JOUR.   : RZKhim., No. 1   1960, No. 619

AUTHOR   :
INST.   :
TITLE   :

ORIG. PUB.   :

ABSTRACT   : assumption is also corroborated by the slope
cont'd   of the curve of the dependence of $E_\frac{1}{2}$ upon pH
                   and the course of the logarithmic graph of the
                   wave. For the solubility product at infinite
                   dilution, the value of $S = 1.6 \cdot 10^{-13}$ was found
                   from polarographic measurements. These data
                   relate to a non-buffer medium wherein neither
                   complexes nor precipitations are formed, except
                   for $Cd(OH)_2$. In the buffer medium, the pH of

CARD: 2/3

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COUNTRY      :                                              B
CATEGORY     :

ABS. JOUR.   : RZKhim., No. 1    1960,  No.619

AUTHOR       :
INST.        :
TITLE        :


ORIG. PUB.   :

ABSTRACT     : which was established by means of the buffer
cont'd         solutions of Britton-Robinson, the dependence
               of $E_{\frac{1}{2}}$ on pH is more complicated since, in this
               case, the complexes of borates and phosphates
               with Cd (+2) are being formed.-- P. Zuman




CARD:          3/3
                              B-43
```

ZABRANSKY, Z.

Kinetics of electrode processes of complexes in polarography. IV.
Polarographic behavior of monovalent thallium in solutions of ethylene-
diaminetetraacetic acid. In German. Coll.Cz.Chem. 24 no.9:3075-3083
S '59.   (EEAI 9:5)

1. Forschungsinstitut fur Huttenwesen, Tschechoslowakische Akademie
der Wissenschaften, Prag.
    (Electrodes) (Polarograph and polarography) (Thallium)
    (Solutions) (Ethylenedinitrolotetraacetic acid) (Complex compounds)

ZABRE, J.

Metal binding between uranium and aluminum for fuel
elements of nuclear reactors. Jaderna energie 8 no.2:42 F '62

BLOKH, G.S.; ZABREBNEVA, A.V.; ZUBAREV, K.A.; PECHURO, S.S.; TVOROGOVA,
        Ye.L.; GNATYUK, T.A.

        Producing gypsum fiber sheets on round-screen sheet-making
        machines. Stroi. mat. 8 no.2:15-17 F '62.   (MIRA 15:3)
                              (Gypsum products)

ZABREYKO, M.

Checking the fulfillment of assignments in reducing construction
costs. Fin. SSSR 22 no.3:83-84 Mr '61.   (MIRA 14:7)

1. Upravlyayushchiy Novgorodskoy oblastnoy kontoroy Stroybanka.
          (Novgorod Province--Construction industry--Costs)
               (Novgorod Province--Banks and banking)
                         (Auditing)

ZABREYKO, P.P.

Calculation of the Poincaré index. Dokl. AN SSSR 145 no.5:979-
982 '62.   (MIRA 15:8)

1. Voronezhskiy gosudarstvennyy universitet. Predstavleno
akademikom I.G.Petrovskim.
                    (Vector analysis)

ZABREYKO, P.P.

Relation between two principles of the fixed point for
operators leaving a cone invariant. Uch. zap. AGU. Ser.
fiz.-mat. nauk no.3:39-41 '63.

(MIRA 17:12)

ZABREYKO, P.P.

Continuity and complete continuity of P.S.Uryson's operators.
Dokl. AN SSSR 161 no.5:1007-1010 Ap '65.   (MIRA 18:5)

1. Submitted November 9, 1964.

ZABREYKO, P.P.

Perfect continuity of U bounded linear operators in Z^p spaces. zap. Kaz. un. 124 no.6:110-113 '64.   (MIRA 18:9)

ZABREYKO, P.P.; PUSTYL'NIK, Ye.I.

Interpolational properties of the absolute continuity of a
linear operator. Uch. zap. Kaz. un. 124 no.6:114-118 '64.
(MIRA 18:9)

ZABREYKO, P.P.; KRASNOSEL'SKIY, M.A.; PUSTYL'NIK, Ye.I.

Fractional powers of elliptic operators. Dokl. AN SSSR 165
no.5:990-993 D '65.   (MIRA 19:1)

1. Voronezhskiy gosudarstvennyy universitet. Submitted April
26, 1965.

ZABREYKO, P.P.; KRASNOSEL'SKIY, M.A.; PUSTYL'NIK, Ye.I.

Problem involving fractional powers of operators. Usp. mat.
nauk 20 no.6:87-89 N-D '65.   (MIRA 18:12)

1. Submitted Jan. 21, 1965.

ZABREYKO, P.P.; KRASNOSEL'SKIY, M.A.

Calculating the index of an isolated fixed point of a completely
continuous vector field. Dokl. AN SSSR 141   no.2:292-295 N '61.
                                                        (MIRA 14:11)

1. Predstavleno akademikom P.S.Aleksandrovym.
                      (Vector analysis)

AM4016091

ential equations, the arrangement of roots of polynomials, singular points and periodic solutions of ordinary differential equations, critical points of harmonic and pseudoharmonic functions, oscillation theorems, two-point boundary problems, and others. It is designed for the reader familiar only with the principles of mathematical analysis, students specializing in physics and mathematics, graduate students, and scientists interested in various nonlinear problems. It can also serve as an introduction to more complicated branches of mathematics, connected with applications of topological methods. The book is based on a special course read by one of the authors (M.A.K.) at the Voronezh University and several papers delivered to the Voronezh Seminar on Functional Analysis.

TABLE OF CONTENTS [abridged]:

Card 2/3

AM4016091

Ch. I.   Rotation of vector field - - 7
Ch. II.   Index of singular points - - 61
Ch. III.   Applications - - 96
Supplement - - 225

SUB CODE: MM   SUBMITTED: 04Jul63   NR REF SOV: 024

OTHER: 009   DATE ACQ: 19Dec63

Card   3/3

KRASNOSEL'SKIY, Mark Aleksandrovich; PEROV, Anatoliy Ivanovich;
    POVOLOTSKIY, Abram Isaakovich; ZABREYKO, Petr
    Petrovich; GORYACHEV, M.M., red.; AKSEL'ROD, I.Sh.,
    tekhn. red.

    [Vector fields on a plane] Vektornye polia na ploskosti.
    Moskva, Fizmatgiz, 1963.   245 p.   (MIRA 16:11)
                        (Vector analysis)

ACC NR: AP6036833   SOURCE CODE: UR/0020/66/171/002/0262/0265

AUTHORS: Zabreyko, P. P.; Ledovskaya, I. B.

ORG: Voronezh State University (Voronezhskiy gosudarstvennyy universitet)

TITLE: On the N. N. Bogolyubov-N. M. Krylov's leading approximations method of averaging

SOURCE: AN SSSR. Doklady, v. 171, no. 2, 1966, 262-265

TOPIC TAGS: approximation method, ordinary differential equation, asymptotic method

ABSTRACT: The approximate averaging method of Bogolyubov-Krylov is generalized to the case of leading asymptotic approximation. Three cases are considered. The first is to determine the order of proximity for the solutions $x(t)$ and $\bar{x}(t)$ of the pair of equations

$$\begin{cases} dx/dt = X_0(t, x) + \varepsilon X_1(t, x) + \ldots + \varepsilon^h X_h(t, x) + \varepsilon^h \omega(t, x, \varepsilon), \\ d\bar{x}/dt = X_0(t, x) + \varepsilon X_1(t, x) + \ldots + \varepsilon^h X_h(t, x), \end{cases}$$

for $\varepsilon > 0$, with initial conditions $x(0) = \bar{x}(0) = x_0$. This is shown by means of a theorem which leads to the limiting expression

$$\lim_{\varepsilon \to 0} \sup_{x(l) \in \mathfrak{M}(\varepsilon, T), \, \bar{x}(l) \in \mathfrak{M}_h(\varepsilon, T)} \max_{0 \le l \le T} \frac{|x(t) - \bar{x}(t)|}{\varepsilon^h} = 0.$$

Card 1/2   UDC: 517.92

ACC NR: AP6036833

The second case deals with the pair of equations

$$dx/dt = \varepsilon X_0(x) + \ldots + \varepsilon^h X_{h-1}(x) + \varepsilon^{h+1} X_h(t, x, \varepsilon);$$

$$dx/dt = \varepsilon X_0(x) + \ldots + \varepsilon^h X_{h-1}(x) + \varepsilon^{h+1} X_h(x).$$

For $T > 0$ the proximity between these two equations is shown to be given by

$$\lim_{\varepsilon \to 0} \sup_{x(t) \in \mathfrak{M}(\varepsilon, T/\varepsilon),\, \bar{x}(t) \in \mathfrak{M}_k(\varepsilon, T/\varepsilon)} \max_{0 \le t \le T/\varepsilon} \frac{\|x(t) - \bar{x}(t)\|}{\varepsilon^h} = 0,$$

through the use of a second theorem. The third deals with the equations

$$dy/dt = \varepsilon Y_0(y) + \varepsilon^2 Y_t(y) + \ldots + \varepsilon^h Y_{h-1}(y) + \varepsilon^{h+1} Y_h(t, y, \varepsilon);$$

and

$$dy/dt = \varepsilon Y_0(y) + \ldots + \varepsilon^h Y_{h-1}(y) + \varepsilon^{h+1} Y_h(y),$$

both satisfying identical initial conditions. A similar limiting expression is obtained as in case two above, with the provision that the condition (ρ_k) is satisfied, if all X_i and its derivatives up to order k-i are bounded. The authors express their gratitude to M. A. Krasnosel'skiy under whose guidance they worked. This paper was presented by Academician N. N. Bogolyubov on 31 January 1966. Orig. art. has: 12 equations.

SUB CODE: 12/ SUBM DATE: 28Jan66/ ORIG REF: 004

Card 2/2

ZABREYKO, P.P.; KRASN(SEL'SKIY, M.A.

Calculating the index of a fixed point in a motor field. Sib.
mat. zhur. 5 no.3:509-531 My-Je '64.   (MIRA 17:6)

ZABREYKO, P.P.

Some properties of linear operators acting in L_p spaces. Dokl.
AN SSSR 159 no.5:975-977 D '64   (MIRA 18:1)

1. Voronezhskiy gosudarstvennyy universitet. Predstavleno
akademikom A. Yu. Ishlinskim.

ZABREYKO, P.P.

Continuity of a nonlinear integral operator. Sib. mat. zhur.
5 no.4:958-960 Jl-Ag'64   (MIRA 17:8)

ZABRIK, D.; KUDLA, V.

Experiences with the use of the low-pressure vacuum extractor.
Cesk. gyn. 28 no.5:311-315 Je '63.

1. Gyn.-por. klin. lek. fak. UPJS v Kosiciach, prednosta prof.
dr. T. Schwarz.
                    (EXTRACTION, OBSTETRICAL)

ZABRIK, WŁADYSŁAW

Distr: 4E2c(m)

/ Hydrogen corrosion of steel and methods for its preven-
tion. _____ _____ _____ Pressigad Mech 16. No. 2. 88-

and the factors affecting it are considered. The diffusion of
gases takes place in a discontinuous manner and is a bilat-
eral process. In gas corrosion films 0.04-0.5 μ thick are
formed on Fe, Cu, Al, Mg, and other metals. The struc-
ture, d., and adhesion of these films det. the corrosion sta-
bility of the metal. H corrosion takes place with diffusion
of H into the metal. Under specific conditions at. H can
diffuse throughout the entire body of the metal. Diffu-
sion occurs along the boundaries of the crystals, esp. along
gliding surfaces of crystals and at holes in the lattice of the
metal. Temp. has the greatest effect on diffusion of H and
H corrosion. The effect of the compn. of the scale on the
rate of H evolution is noted. Steel contg. 0.85% C became
most brittle. Data on the effect of temp. and pressure on H
corrosion of steel contg. 0.76% C and on the effect of the C
content of steel on the rate of decompn. of cementite are
given. The best method for the detn. of the effect of H
on steel is the detn. of the resilience. A method for reducing
the degree of H corrosion is the use of low-C steels. Alloy-

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1

ZABRINSKI, W.

"Minerals of magma origin in the Strzegom granite massif," Przeglad Geologiczny,
Warszawa, No 3, June 1953, p. 9.

SO: Eastern European Accessions List, Vol 3, No 11, Nov 1954, L.C.

ZABRIYEVA, N.M.; MACHABELI, M.S.

New method of intravital motion picture photomicrography of
the hemostatic process; model of the thrombohemorrhagic syn-
drome obtained by the method of the parenteral administration
of viper venom. Soob. AN GruzSSR 37 no.2:467-475 F '65.
                                                (MIRA 18:3)
1. Institut eksperimental'noy i klinicheskoy khirurgii i gema-
tologii, Tbilisi. Submitted December 1, 1964.

S/081/62/000/012/007/065
B168/B101

AUTHORS: Czerwiński, Zenon, Zabrocki, Władysław, Rychter, Stanisław

TITLE: Changes in the surface of crystals of $NaBr \cdot 2H_2O$ and $Na_2SO_4 \cdot 10H_2O$ under the influence of adsorbed ions

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 12, 1962, 38, abstract 12B249 (Studia Soc. scient. torunensis, v. 3, no. 1, 1961, 1 - 36)

TEXT: In order to explain the changes in habit of crystals of $NaBr \cdot 2H_2O$ and $Na_2SO_4 \cdot 10H_2O$ growing from a saturated solution when admixtures are added, the surface tension and viscosity were measured and the number of ions adsorbed on the surface of the forming crystals was determined. It was established that this number depends on the size of the crystals and that the nature of the changes in habit is determined entirely by the "physical" adsorption. X-ray examinations confirm this conclusion. [Abstracter's note: Complete translation.]

Card 1/1

ZABRODA, G.S., nauchnyy sotrudnik (Kiyev, 51, ul. Menzhinskogo, d.49, kv.1)

Possible defects in a mechanical suture related to improper use of the UKL apparatus in pneumonectomies and lobectomies.
Klin.khir.   no.11:74-77 N '62.   (MIRA 16:2)

1. Klinika torakal'noy khirurgii (zav. - chlen-korrespondent AMN SSSR, prof. N.M. Amosov) Kiyevskogo nauchno-issledovatel'-skogo instituta tuberkuleza i grudnoy khirurgii.
        (SUTURES)   (LUNGS--SURGERY)

AMOSOV, N.M.; BEREZOVSKIY, K.K.; ZABRODA, G.S.

Result of 100 pneumonectomies with use of the UKL-60. Eksp. khir. 3
no.6:3-7 N-D '58.   (MIRA 12:1)

1. Iz kliniki torakal'noy khirurgii (zav.- prof. N. M. Amosov) Ukrain-
skogo instituta tuberkuleza imeni F. G. Yanovskogo (dir. dots. A. S.
Mamolat).
          (PNEUMONECTOMY
               appar. for suturing lung stump (Rus))

YEFIMOVICH, Ye.K.; NESTEROV, V.V.; TYUTYUNNIKOV, N.F.; SHINKARSKIY, D.G.;
ZABRODA, Yu.F.; KONDRAT'YEV, O.K.; GORODNICHENKO, A.I.

Automatic level control of flotation concentrate in vacuum
filter baths. Avtom.i prib. no.3:21-23 Jl-S '62. (MIRA 16:2)

1. Institut avtomatiki Gosplana UkrSSR (for Yefimovich,   -
Nesterov, Tyutyunnikov, Shinkarskiy, Zabroda, Kondrat'yev).
2. Dneprodzerzhinskiy koksokhimicheskiy zavod imeni
Ordzhonikidze (for Gorodnichenko).
                      (Flotation)
                (Liquid level indicators)

ZABRODIN, A. rukovoditel' brigady kommunisticheskogo truda

March forward! Naut.ugl. 9 no.9:24 8'60.   (MIRA 13:10)

1. Shurabskaya shakhta No. 8, Tadshikskogo sovnarkhoza.
      (Tajikistan--Coal miners)

ZABRODIN, A.N.

The Baku automobile repair shop sends out jobs containing flaws. Neftianik 1 no.8:33 Ag '56.   (MIRA 9:11)

1. Glavnyy mekhanik tresta Sredaznefterazvedka.
        (Baku--Automobiles--Repairing)

ASTVATSATUROV, Ye.L., inzh.; ZABRODIN, A.S., kand. geol.-mineralogicheskikh
        nauk; KOKO'EVA, K.I., inzh.; TARKANOV, R.A., inzh.; CHISTYAKOV, S.V.,
        kand.tekhn.nauk

[Photogrammetric method for the geological documentation of
underground mines; methodological instructions] Fotogrammetricheskii
metod geologicheskoi dokumentatsii podzemnykh gornykh vyrabotok;
metodicheskie ukazaniia. Leningrad, 1963. 25 p.

                                              (MIRA 18:7)

1, Vsesoyuznyy nauchno-issledovatel'skiy institut gornoy
geomekhaniki i marksheyderskogo dela. 2. Vsesoyuznyy nauchno-
issledovatel'skiy institut gornoy geomekhaniki i marksheyderskogo
dela.

ZABRODIN, A.S., Cand Geol Min Sci -- (diss) "Analysis of fault

breaks on the example of the Kuznets Basuin." Tomsk , 1958,

16 pp (Min of Higher Education USSR. Tomsk Order of Labor

Red Banner Polytechnic Inst im S.M. Kirov) 100 copies

(KL, 27-58, 105)

- 46 -

ZABRODIN, A.S., kand. geol.-miner. nauk; PETROV, M.Ye, inzh.

Results of using the acoustic method for determining the distance to cavities and geological contacts in rock salt deposits.
[Trudy]VNIMI no.50:336-343 '63.

(MIRA 17:10)

GODUNOV, S.K, (Moskva); ZABRODIN, A.V. (Moskva)

Difference schemes of second-order accuracy for multidemensional
problems. Zhur.vych.mat.i mat.fiz. 2 no.4:706-708 Jl-Ag '62.
(MIRA 15:8)

(Difference equations)

31108
S/208/61/001/006/005/013
B112/B138

10.1410

AUTHORS: Godunov, S. K., Zabrodin, A. V., Prokopov, G. P. (Moscow)

TITLE: Difference scheme for two-dimensional non-stationary problems of gas dynamics and calculation of a flow with a shock wave that runs backward

PERIODICAL: Zhurnal vychislitel'noy matematiki i matematicheskoy fiziki, v. 1, no. 6, 1961, 1020-1050

TEXT: In this paper, the authors continue investigations of difference schemes for non-stationary problems of gas dynamics (cf. S. K. Godunov,

Matem. sb., 1959, 47, no. 3, 271-306). In order to solve the system

$$\oiint \rho\, dx\, dy + \rho u\, dy\, dt + \rho v\, dx\, dt = 0,$$

$$\oiint \rho u\, dx\, dy + (p + \rho u^2)\, dy\, dt + \rho u v\, dx\, dt = 0, \qquad (2.2)$$

$$\oiint \rho v\, dx\, dy + \rho u v\, dy\, dt + (p + \rho v^2)\, dx\, dt = 0,$$

Card 1/3

Difference scheme for two-dimensional...

$$\oint\oint \rho\left(e + \frac{u^2 + v^2}{2}\right)dx\,dy + \rho u\left(e + \frac{p}{\rho} + \frac{u^2 + v^2}{2}\right)dy\,dt +$$

$$+ \rho v\left(e + \frac{p}{\rho} + \frac{u^2 + v^2}{2}\right)dx\,dt = 0 \qquad (2.2),$$

the authors use the following difference scheme

$n-\frac{3}{2}$, $m+\frac{3}{2}$	$n-\frac{1}{2}$, $m+\frac{3}{2}$	$n+\frac{1}{2}$, $m+\frac{3}{2}$	$n+\frac{3}{2}$, $m+\frac{3}{2}$	$n+\frac{5}{2}$, $m+\frac{3}{2}$	$\uparrow$ h_y $\downarrow$
$n-\frac{3}{2}$, $m+\frac{1}{2}$	$n-\frac{1}{2}$, $m+\frac{1}{2}$	$n+\frac{1}{2}$, $m+\frac{1}{2}$	$n+\frac{3}{2}$, $m+\frac{1}{2}$	$n+\frac{5}{2}$, $m+\frac{1}{2}$	$\uparrow$ h_y $\downarrow$
$n-\frac{3}{2}$, $m-\frac{1}{2}$	$n-\frac{1}{2}$, $m-\frac{1}{2}$	$n+\frac{1}{2}$, $m-\frac{1}{2}$	$n+\frac{3}{2}$, $m-\frac{1}{2}$	$n+\frac{5}{2}$, $m-\frac{1}{2}$	$\uparrow$ h_y $\downarrow$
$\leftarrow h_x \rightarrow$	$\leftarrow h_x \rightarrow$	$\leftarrow h_x \rightarrow$	$\leftarrow h_x \rightarrow$	$\leftarrow h_x \rightarrow$	

Card 2/3

31108
S/208/61/001/006/005/013
B112/B138

Difference scheme for two-dimensional...

Discontinuity disintegration is calculated using the scheme

$$a_n = b_n = \sqrt{\gamma \, \frac{p_{n-1/2} + p_{n+1/2}}{2} \, \frac{p_{n-1/2} + p_{n+1/2}}{2}} \, ,$$

$$p_{\text{к.р.}} = \frac{p_{n+1/2} + p_{n-1/2}}{2} + a_n \, \frac{u_{n+1/2} - u_{n-1/2}}{2} \, ,$$

$$u_{\text{к.р.}} = \frac{u_{n+1/2} + u_{n-1/2}}{2} + \frac{p_{n+1/2} - p_{n-1/2}}{2a_n} \, . \tag{3.3}$$

It is based on the formula $p = (\gamma - 1)\rho e$. The stability condition of the
scheme is derived. In the latter part of the article, the authors use
nets which are moved in accordance with the flow. Cases of axial
symmetry, in particular that of a sphere, are considered.
I. G. Petrovskiy, O. M. Belotserkovskiy (Prikl. matem. i mekhan., 1960,
24, no. 3, 511-517), and A. A. Dorodnitsin are mentioned. I. M. Gel'fand,
K. A. Bagrinovskiy, G. N. Novozhilov, V. V. Lutsikovich, and
K. A. Semendayev are thanked for assistance. There are 15 figures and
3 Soviet references.

SUBMITTED: May 7, 1961
Card 3/3

ZABRODIN B.A.

IVANCHENKO, I.A., laureat Stalinskoy premii; ZABRODIN, B.A., laureat
Stalinskoy premii; SIDOROV, Ye.A., laureat Stalinskoy premii;
ZHELEVICH, P.M., inzhener; redaktor; VERINA, G.P., tekhnicheskiy
redaktor.

[Industrial methods and mechanization in reinforced concrete bridge
construction] Industrializatsiia i mekhanizatsiia postroiki zhele-
zobetonnykh mostov. Moskva, Gos.transp.zhel-dor.izd-vo 1952. 185 p.
[Microfilm]   (MLRA 7:10)
        (Bridges, Concrete)

GOLYAND, S.M.; FRENKEL', Ya.I.; BAROCHINA, B.Ya.; ZABRODIN, B.G.

Removal of hydrogen sulfide from the exhaust air in viscose manu-
facture by means of an alkaline solution in a Venturi tube. Khim.
volok. no.2:49-52 '60.   (MIRA 13:12)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut promyshlennoy
i sanitarnoy ochistki gazov (for Golyand, Frenkel'). 2. Vsesoyuznyy
nauchno-issledovatel'skiy institut iskusstvennogo volokna (for
Barochina). 3. Kalininskiy kombinat (for Zabrodin).
            (Viscose)   (Hydrogen sulfide)

ZABRODIN, B.G.

"Manufacture of viscose staple fiber" by P.P. Matissen,
N.S. Kiseleva. Reviewed by B.G. Zabrodin. Khim, volok. no.2:
81 '59.   (MIRA 12:9)

1.Kalininskiy kombinat.
                    (Rayon) (Matissen, P.P.) (Kiseleva, N.S.)

ZABRODIN, B.C.

ANTIPIN, G.V., mashinist elektrovoza, Geroy Sotsialisticheskogo Truda;
BELIKOV, I.I., elektromonter; MESHYAKOV, I.R., Geroy
Sotsialiticheskogo Truda; DENISKIN, A.I., mashinist-instruktor;
MANONIN, N.I., tokar'-ratsionalizator; KAZACHEK, I.K.;
CHEN HHUA-DIN [Ch'eng Hua-ting]; U FYN [Wu Fēng]; LYU I [Liu I];
YAN CHAO [Yang Ch'ao]; TIKHMENEV, B.N., doktor tekhn.nauk;
BASKAKIN, N.V., inzh. (g.Parizh); RAFAV, V.A., inzh.;
PIVOVAROV, G.I.

A feat which will live forever. Elek. i tepl. tiaga 5 no.5:1-
3 My '61.   (MIRA 14:7)

1. Depo Krasnoyarsk (for Antipin). 2. Onskaya distantsiya
kontaktnoy seti (for Belikov). 3. Master avtomatnogo tsekha
depo Liski (for Presnyakov). 4. Lokomotivnoye depo Orenburg,
rukovoditel' kolonny teplovozov imeni XXII s"yezda partii (for
Deniskin). 5. Instrumental'nyy tsekh kommunisticheskogo truda
lokomotivnogo depo Kuybyshev (for Manonin). 6. Literaturnyy
sotrudnik gazety "Kuybyshevskiy zheleznodorozhnik" (for
Kazachek). 7. Moskovskiy institut inzhenerov transporta (for
Chen Hua-din, U Fyn, Lyu I, Yan Chao). 8. Rukovoditel'
laboratorii peremennogo toka Vsesoyuznogo nauchno-issledovatel'skogo
instituta zheleznodorozhnogo transporta Ministerstva putey
soobshcheniya (for Tikhmenev). 8. Nachal'nik depo Leningrad-
Baltiyskiy (for Pivovarov).
                           (Astronautics)

FIL'KOV, N.I.; MAYZEL', M.M.; POLUKHIN, N.P.; ZABRODIN, B.V.;
    KISELEVA, N.P., red.

    [Maintenance and repair of the VME1 diesel locomotive]
    Remont teplovoza VME1. Moskva, Izd-vo "Transport,
    1964. 136 p.   (MIRA 17:8)

AZROVA, TS.S.; ARKHIPOV, A.P.; VINOGRADOV, A.V.; GRABOVSKIY, I.V.;
      GRISHINA, R.I.; DMITRIYEV, P.D.; DUBINSKIY, Ye.L.; ZABRODIN,
      B.V.; KOLOTIY, M.V.; KRASNOV, B.S.; KURDYUKOVA, N.V.; L'VOVA,
      IU.M.; OBUKHOVA, A.V.; FOMIN, V.G.; MEDVEDEVA, M.A., tekhn.
      red.

[Album of drawings of TE3, TE7, TE2, TE1, TEM1, and TU2
diesel locomotives; electric apparatus] Al'bom chertezhei
teplovozov TE3, TE7, TE2, TE1, TEM1 i TU2; elektricheskie
apparaty. Moskva, Transzheldorizdat. Vol.2. 1963. 394 p.
                                   (MIRA 16:9)
1. Russia (1923- U.S.S.R.) Glavnoye upravleniye lokomotivnogo
khozyaystva.
          (Diesel locomotives--Electric equipment)

ZABRODIN, B.V., inzh.

Methods of improving electric locomotive gear transmission.
Elek. i tepl. tiaga no.1:14-16 '57.   (MIRA 12:3)
(Electric locomotives)

ZABRODIN, B.V., inzh.

Repair systems, selection of suspension types, and standardization of electric rolling stock components. Elek. i tepl.tiaga 3 no.2: 45-46 F '59.   (MIRA 12:4)
            (Warsaw—Electric railroads—Congresses)

ZABRODIN, B.V., inzh.

French CC10002 type electric locomotive with one traction engine
for three axles. Elek.i tepl.tiaga 6 no.5:46-48 My '62. (MIRA 15:6)
(France--Electric locomotives)

SAVOS'KIN, Anatoliy Nikolayevich; ZABRODIN, B.V., inzh., retsenzent;
    PEROVA, A.A., kand. tekhn. nauk, red.; VOROB'YEVA, L.V., tekhn.
    red.

    [Spring suspensions of electric locomotives]Ressornoe podveshi-
    vanie elektrovozov. Moskva, Transzheldorizdat, 1962. 53 p.
                                            (MIRA 15:12)
        (Electric locomotives)

ZABRODIN, Boris Valer'yevich, inzh; KHLEBNIKOV, V.N., red.

[Electric rolling stock on French railroads] Elektropod-
vizhnoi sostav frantsuzskikh zheleznykh dorog. Moskva,
Transport, 1965. 273 p .   (MIRA 18:2)

ZABRODIN, D.M., kand.istorich.nauk; KALYUZHNAYA, N.K.; MAYSTRENKO,L.F.;
MYSNICHENKO, V.P.; PAKHNIN, Ye.I.; SHAPOVAL, A.P.; VASHCHENKO,G.I.,red.;
KAMINSKIY, L.N., red.; LIMANOVA, M.I., tekh.red   (MIRA 16:6)

[Work and live the communist way, 1958-1962] Rabotat' i zhit' po
kommunisticheski; 1958-1962. Sbornik dokumentov i materialov.
Khar'kov, Khar'kovskoe knizhnoe izd-vo, 1963. 250 p.
                                                (MIRA 16:6)
1. Kommunisticheskaya partiya Ukrainy. Khar'kovskiy
oblastnoy komitet. Partiynyy arkhiv.
            (Kharkov--Efficiency, Industrial)

ZABRODIN, G.D.

Role of alcoholic intoxication in the detection of schizophrenic
symptoms. Probl.sud.psikh. no.12:108-115 '62.   (MIRA 16:4)
            (ALCOHOLISM)   (SCHIZOPHRENIA)

ZABRODIN, G.D.

Correlation of the clinical characteristics of schizophrenic
remissions complicated by alcoholic intoxication with some
pathophysiological and immunological indices. Zhur. nevr. 1
psikh. 64 no.3:404-410 '64.   (MIRA 17:5)

1. TSentral'nyy nauchno-issledovatel'skiy institut sudebnoy
psikhiatrii im. Serbskogo (direktor - dotsent G.V. Morozov),
nauchnyy rukovoditel' raboty - prof. S.F. Semenov, Moskva.

ZABRODIN, G.D.

State of alcoholic intoxication in a schizophrenic. Prak.sudebno-psikh.ekspert. no.7:28-35 '62.   (MIRA 16:2)
        (SCHIZOPHRENIA)   (ALCOHOLISM)

AGOSHKOV, M.I.; ZABRODIN, I.M.

Fifteenth anniversary of the World Federation of Scientific Workers.
Vest. AN SSSR 31 no.10:109-111 O '61.   (MIRA 14:9)

1. Chlen-korrespondent AN SSSR (for Agoshkov).
                    (Learned institutions and societies)

ZABRODIN, K.T., inzh.

Broaches used for greeving slits. Mash.Bel. no.4:116-117 '57.
                (Broaching machines)   (MIRA 11:9)

KISELEV, D.; ROGULIN, A.; ZABRODIN, M.

Currency circulation in economic regions of the Russian
Federation. Den.i kred. 17 no.9:3-8 S '59. (MIRA 12:12)
(Money)

ZABRODIN, M.V.

We are walking toward the cherished goal. Zhivotnovodstvo 24
no.5:7-9 My '62.   (MIRA 16:10)

1. Direktor svinovolcheskogo sovkhoza "Terek", Mozdokskogo
rayona, Severo-Osetinskoy ASSR.

S/137/62/000/001/016/237
A060/A101

AUTHORS: Zabrodin, N. I., Nechayeva, A. A., Korobochkina, T. V.

TITLE: Content of rare alkali elements in the mineral salts of the Soviet
             Union and plans for their industrial extraction

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 1, 1962, 5-6, abstract 1042
             (V sb. "Redk. shchelochn. elementy", Novosibirsk, Sib. otd. AN SSSR,
             1960, 97-100)

TEXT: The authors report on the results of a study of the content and
distribution of rare alkaline elements in the mineral salts of the Soviet Union.
The concentration of Cs and Tl in the mineral salts studied is not industrially
worthwhile. The Sr content in some waters and salts attains up to 0.01 - 0.1%,
and sometimes up to 1%, however, their processing is for the meanwhile inexpe-
dient, in view of the large stores of Sr in ores. Slimes and clayey materials
of salt rocks and lake-bottom deposits are always enriched with Rb and usually
contain it in a ratio of $n \cdot 10^{-2}$%. These products may be considered as a
potential natural base with practically unlimited stores of Rb. Traces of Rb
are noted in other salt rocks not containing potash salts. In the natural

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Content of rare alkali elements ...

waters and brines of salt lakes the Rb content does not exceed $n \cdot 10^{-4}$%. Only Solikamsk carnalites and the exhausted electrolyte obtained from their processing in magnesium plants are of practical importance as raw Rb sources at the present time. The electrolyte contains 0.03 - 0.04% Rb. A new method is worked out for extracting Rb from spent electrolytes by the use of ion-exchange. Li is also concentrated in slime and clayey materials, but, in contradistinction to Rb which then passes into the solid phase, Li together with B remain in eutonic solutions. Boron-bearing strata of salts and salt bosses contain up to 0.1% Li_2O. In the course of processing these products for potash manure and boron products, it will probably be possible to extract Li by the way. Another possible source of Li extraction may be the brines of salt lakes and underground waters containing $(1 - 2) \cdot 10^{-3}$% Li, in the course of their complex processing for soda, borax, Br, I.

S. Rossovskiy

[Abstracter's note: Complete translation]

Card 2/2

ZABRODIN, IV. I.

:7

PHASE I BOOK EXPLOITATION   SOV/5747

· Vsesoyuznoye soveshchaniye po redkim shchelochnym elementam. 1st,
Novosibirsk, 1958.

Redkiye shcholochnyye elementy; sbornik dokladov soveshchaniya po
khimii, tekhnologii i analiticheskoy khimii. redkikh shchelochnykh
elementov, 27-31 yanvarya 1958 g.   (Rare Alkali Elements; Col-
lection of Reports of the Conference on the Chemistry, Technology,
and Analytical Chemistry of Rare Alkali   Elements, Held 27-31
January, 1958) Novosibirsk, Izd-vo Sibirskogo otd. AN SSSR, 1960.
99 p. 1000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Sibirskoye otdeleniye.
Khimiko-metallurgicheskiy institut.

Resp. Ed.: T. V. Zabolotskiy, Candidate of Technical Sciences;
Members of Editorial Board: A. S. Mikulinskiy, Professor, Doctor
of Technical Sciences, A. T. Logvinenko, Candidate of Technical
Sciences, F. F. Barkova, Candidate of Chemical Sciences; Ed.:
V. N. Bushuyeva; Tech. Ed.: A. F. Mazurova.

Card 1/5

Rare Alkali Elements; Collection (Cont.)   SOV/5747

PURPOSE : This book is intended for chemical engineers and tech-
nicians working in metallurgical and mining operations and
related enterprises.

COVERAGE: The collection contains reports which deal with the
physical and analytical chemistry of rare alkali elements and
their compounds and their reactions with mineral ores and salts.
Methods of extraction and modern analytical techniques and
equipment are also discussed. No personalities are mentioned.
References accompany individual articles.

TABLE OF CONTENTS:

Urazov, G. G. [Deceased], V. V. Plyushchev, Yu. P. Simanov, and I. V.
Shakhno [Moskovskiy institut tonkoy khimicheskoy tekhnologii im.
(M.V.) Lomonosova - Moscow Institute of Fine Chemical Technology
imeni M. V. Lomonosov). High-Temperature Modification of Spodumen 5

Plyushchev, V. Ye. [Moscow Institute of Fine Chemical Technology

Card 2/5

6

Rare Alkali Elements; Collection (Cont.)   SOV/5747

Kozlov, A. S. [Khimicheskiy fakul'tet Moskovskogo gosudarstven-
nogo universiteta - Chemistry Department of Moscow State University].
A New (Turbidimetric) Method of Determining Small Amounts of
Cesium With the Aid of Cesium and Cadmium Ferrocyanides   79

Galkina, N. K., and M. M. Senyavin. [Institut geokhimii i
analiticheskoy khimii AN SSSR - Institute of Geochemistry
and Analytical Chemistry of the Academy of Sciences USSR]
Chromatographic Separation of Mixtures of Alkali Metals   87

Zabrodin, N. I., A. A. Nechayeva, and T. V. Korobochkina.
[Vsesoyuznyy nauchno-issledovatel'skiy institut galurgii - All-
Union Scientific Research Institute of Halurgy]. The Content
of Rare Alkali Elements in Natural Salts of the Soviet Union
and Prospects of Its Utilization in Industry   97

AVAILABLE: Library of Congress (QD 172.A4V8)

JA/rum/jw
11-27-61

Card 5/5

ZABRODIN, N.I., kand. tekhn. nauk; TURKIN, B.P.

Determining the amount of potassium chloride in mother liquors by means of natural β-activity of K^{40}. Khim. nauka i prom. 3 no.1: 104-108 '58.   (MIRA 11:3)
          (Potassium chloride)   (Potassium--Isotopes)

ZABRODIN, O.N.

Experimental gastric ulcers induced by combined immobilization
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